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No. 45] NEW DELHI, SATURDAY, NOVEMBER 5, 1977 (KARTIKA 14, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 5th November 1977

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

29th September 1977

1458/Cal/77 Societe Des Aciers Fins DE L'Est A device for aligning the inlet and outlet guides in a rolling-mill stand.

1459/Cal/77 Orissa Industries Limited Improved refractory lined ladle for handling molten metals, and method for making such lining.

1460/Cal/77 Siemens Aktiengesellschaft Improvements in or relating to circuit arrangements for the carrier frequency transmission of information

1461/Cal/77 Paul H Hoffman and John A Tessig Shrim processing device and method.

30th September 1977

1462/Cal/77 Halcon International, Inc Process for the preparation of carboxylic acid anhydrides [Divisional date August 12, 1974]

1463/Cal/77 Polar Chemicals Limited An improved method for the removal of soot and other deposits formed as a result of the combustion of gas on liquid and solid fuels [Addition to No. 1525, Cal/73].

1464/Cal/77 Bengt Ake Kindberg. Improvements in or relating to beams and methods of making them.

1465/Cal/77 D. E. Egorov, V. T. Negrutsak and S. P. Syrtsov Colour pyrometer

1st October 1977

1466/Cal/77 Union Carbide Corporation N-substituted bis carbamoyl sulfide compounds

1467/Cal/77 Richter Gedeon Vegyeszeti Gyara R. T. New hydroxymethyl-pyridine esters and a process for the preparation thereof

1468/Cal/77 N. V. Philips' Gloeilampenfabrieken. Low-pressure sodium vapour discharge lamp

3rd October, 1977

1469/Cal/77 All One God Faith, Inc. Contraceptive containing device and gel.

1470/Cal/77 Binishelis New Systems Limited. Method and apparatus for erecting substantially dome-like building structures

1471/Cal/77 Devlieg Machine Company Resettable tool supporting structure

4th October, 1977

1472/Cal/77 Societa Italiana Telecomunicazioni Siemens SPA Filter having reduced insertion losses for telecommunication systems

1473/Cal/77 Chinoingyogyszei Fa. Vegyeszeti Termek Gyara Rt. A process for the preparation of the new amines (Divisional dated December 28 1976.)

1474/Cat/77 Metallgesellschaft AG Process of regenerating water containing methanol.
5th October 1977

1475/Cat/77 UBE Industries, Ltd Process for separating diesters of dicarboxylic acids

1476/Cat/77 Tsentralny Nauchno Issledovatel'sky i Proektny Institut Stroitel'nykh Metallokons truktsii Tsentrproektstal'konstruktii & Gosudarstvenny Sozuzny Institut PO Proektirovaniu Metallurgicheskikh Zavodov Regenerative heater

1477/Cat/77. Concast AG Apparatus for extracting billet or blooms from a multi strand installation for the continuous casting of steel, and a method of operating the apparatus

1478/Cat/77 Indian Jute Industries' Research Association Shuttle release mechanism.

1479/Cat/77 Union Carbide India Limited Method for the production of a herbicide

1480/Cat/77 FMC Corporation Removal of hydrogen sulfide from steam

APPLICATION FOR PATENTS FILED AT THE (DELISS BRANCH)

12th August 1977

195/Del/77 Council of Scientific and Industrial Research Improvement in this process for manufacture of copper ruby glass articles
16th August 1977

196 Del/77 M/s Hem Raj, Vaud & Sons Bad cold fever coughing chronic headache bellyache and indigestion etc (Amritarnav)

197/Del/77 Council of Scientific and Industrial Research Modifications and/or improvements in or relating to hydraulic prop

198/Del/77 Mim Industries An improved electric plug.
17th August 1977

199/Del/77 Council of Scientific and Industrial Research Driving cycle analyse.
18th August 1977

200/Del/77 Council of Scientific and Industrial Research Improvements in or relating to the pre treatment and formation of a corrosion resistant black and shining coating from an alkaline bath

201/Del/77 Tools India Pvt Ltd A mixer

202/Del/77 Bharat Heavy Electricals Ltd A feeder for use with a pressurized vessel

203/Del/77 Tools India Pvt Ltd A mixer

204/Del/77 Bharat Heavy Electricals Ltd A feeder for use with a pressurized vessel
19th August 1977

205 Del/77 Council of Scientific and Industrial Research Improvements in or relating to post treatment process for the removal of chloride from etched aluminum foil for use in aluminum electrolytic capacitor

206/Del/77 Mrs Sula Paul A displacement means
20th August 1977

207 Del/77 Council of Scientific and Industrial Research Preparation of ammonium vanadate from vanadium bearing sludge of aluminium plant by liquid ion exchange method

208/Del/77 608131 Lac Rao Parmjeet Singh Pami motor
22nd August 1977

209/Del/77 H Singh, D Paul and V Kumar N (2 chlo-roethyl)- nucleoazasteroids

24th August 1977

210 Del/77 Council of Scientific and Industrial Research A process for the manufacture of 'latoblocks', building blocks from lateritic soils
25th August 1977

211/Del/77 P L Verma A cabinet
212/Del/77 P L Verma, Air or desert coolers
26th August 1977

213/Del/77 Ex Captu Gursaran Singh A technique to get useful energy—from atmosphere, water or any thing, by bringing down its temperature
27th August 1977

214/Del/77 M P George Solar powered buoyancy operated water lift

215/Del/77 A K Narula Cordon set for curtain pipes
1st September 1977

216/Del/77 N N Mahajan Device and process relating to consumption of diesel oil in the motor vehicles which are fitted with petrol-engine.
2nd September 1977

217/Del/77 K Verma A filtration apparatus
218/Del/77 Mr K Verma A filtration apparatus
219/Del/77 Mr R K Jain A process for the production of matrix boards
3rd September 1977

220/Del/77 Council of Scientific and Industrial Research An improved casting pipe for facilitating ground-water level measurements in tubewells

221/Del/77 Council of Scientific and Industrial Research A process for two-step drawing of polyester filament tow

222 Del/77 Council of Scientific and Industrial Research An improved process for the preparation of pure sodium or potassium silicate solutions from clay

223/Del/77 Bharat Heavy Electricals Ltd A cylindrical grinding machine

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

20th September 1977

278/Bom/77 B V Mehta A novel frame for bicycles, mopeds, motor cycles, and scooters and similar two-wheeler vehicles
22nd September 1977

279/Bom/77 Mr P I Nichhabhai Filterex water/filter
23rd September 1977

280/Bom/77 V M Atre An improved compressor
281/Bom/77 V M Atre Improved chuck or arbor
282/Bom/77 Pandit A Sharma A papad making machine

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

27th September 1977

157/Mas/77 IDI Chemicals Lead wire of electric detonators
158/Mas/77 Dr G P R Palnitkar A crash helmet
28th September 1977

159/Mas/77 Toshiba Anand Batteries Limited Plastic moulded packing for dry batteries
1st October 1977

160/Mas/77 A K Prabakaran A pneumatic bus bar.

ALTERATION OF DATE

143336 } Post dated 3rd May, 1976.
56/Mas/75 }

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or with in such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed alongwith the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due Course. The price of each specification is Rs 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F₄d. 143322

Int Cl C07d 7/28

A PROCESS FOR THE PRODUCTION OF A NEW COUMARIN HAVING SPASMODYLYTIC PROPERTIES, FROM AERIAL PARTS OF THE PLANT CLAUSENA PENTAPHYLLA (ROXB) DC

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

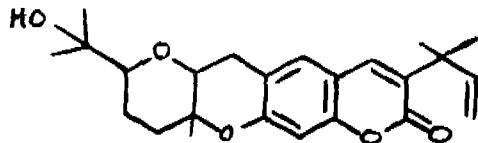
Inventors DR. ABOO SHEOB, (2) DR. RANDHIR SINGH KAPIL, (3) DR. SATYA PAL POPLI, (4) DR. GYANENDER KUMAR PATNAIK & DR. BHOMA NATH DHAWAN.

Application No 9/Del/77 filed January 12, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

6 Claims

A process for the production of a new coumarin of formula 1, shown in Figure 1



and possessing spasmolytic properties comprising extracting the aerial parts of the powdered plant, *Clausena pentaphylla* (Roxb) DC with an organic solvent, concentrating the extract under reduced pressure followed by chromatography of the concentrated extract using a suitable adsorbent and eluent and crystallising the pure substance so obtained by a suitable organic solvent.

CLASS 32F₄a 143323
Int Cl. C07c 69/72

A PROCESS FOR THE REGENERATION OF DIGLYCOL TEREPHthalATE (DGT) FROM POLY (ETHYLENE TEREPHTHALATE) WASTE,

Applicant SIR PADAMPAT RESEARCH CENTRE, (A DIVISION OF J K SYNTHETICS LIMITED) OF JAYKAYNAGAR, KOTA-3, (RAJASTHAN), INDIA

Inventors DR SUBHASH CHANDRA RUSTAGI, (2) DR DATTA PRASAD ACHUT DABHOLKAR, (3) DR. JAI KRISHNA NIGAM, (4) MADHAV NARAYAN MARATHE & DR KRISHNA BALAKRISHNA IYER

Application No 106/Del/77 filed May 20, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

7 Claims.

A process for direct regeneration of polymer grade diglycol terephthalate [Bis-(2-hydroxy ethyl)-terephthalate] from poly ethylene terephthalate waste in substantial yield which comprises of refluxing the polyester waste with ethylene glycol and a catalyst, such as a compound selected from the group consisting of carbonates and acetates of Zinc and Calcium for a period of upto 3 hours, immediately filtering the product formed and subjecting the filtrate to a chilling operation where by the temperature of the chilled product is quickly brought down to 85-90°C, allowing the product to cool further to room temperature, separating the crystals of diglycol terephthalate by filtration, and recrystallizing them by dissolving in boiling water and allowing the solution to cool to room temperature and removing the crystals formed by filtration.

CLASS 144E. .

143324.

Int Cl-C09c 1/34

IMPROVEMENTS IN OR RELATING TO PREPARATION OF INHIBITIVE PIGMENTS

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

Inventors KUMMATTITHIDAL SANTHANAM RAGOPALAN, SUBBIAH NADAR GURUVIAH, MEYYAPPAN SUNDARAM AND VENKATASUBRAMANIAN CHANDRASEKHARAN

Application No 695/Cal/75 filed April 7, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

3 Claims No drawings.

A process for preparing inhibitive pigment (for making prime paint) which consists in mixing fine powder (-300 mesh) of chrome ore such as herein described and quick lime in the ratio of 1:0.5-1.0 in ball mill and heating the resultant mixture in a furnace at 750°C-900°C in presence of air with periodical wetting with deionised water.

CLASS 139B & 206E

143325.

Int Cl-C01b 33/02, H01c 3/00.

PROCESS FOR PRODUCING NOVEL SILICON CRYSTALS

Applicant WACKER-CHEMITRONIC GESELLSCHAFT FÜR ELEKTRONIK-GRUNDSTOFFE MBH, OF JOHANNES-HESTRASSE 24, 8263 BURGHAUSEN, WEST GERMANY

Inventor BERNHARD AUTHIER.

Application No 2231/Cal/75 filed November 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

8 Claims No drawings

A process for producing a platelike semiconductive silicon crystal having a column structure, formed in the direction of the shortest axis and comprising microcrystalline crystal regions with crystallographical preferential orientation, which process comprises pouring a mass of molten silicon into an appropriately shaped casting mould so that at least one of the two largest boundary surfaces of the molten mass which lie opposite one another is in contact with a surface of the casting mould, this surface of the mould having a maximum

temperature of 1200°C, whilst the opposite boundary surface of the molten mass is exposed to a temperature which is at least 200°C to 1000° higher than the temperature of the contacting surface of the casting mould but below the melting point of silicon or, when the said opposite boundary surface of the molten mass is in contact with a further surface of the casting mould, the said further surface has a temperature of 1200°C or below.

CLASS 6B.

143326

Int Cl -B01d 53/00

HORIZONTAL ELECTROSTATIC PRECIPITATOR FOR REMOVING DUST FROM DUST CONTAINING SULPHUROUS GASES

Applicant VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY GORNO-METALLURGICHESKY INSTITUT TSVEINYKH METALLOV, OF VOSTOCHNO-KAZAKHSTANSKAYA OBLST, UST-KAMENOGORSK, ULITSA PROMUSHLI-NNAYA, 1 USSR.

Inventor MIKHAIL FEDOROVICH BOGATYREV

Application No. 1468/Cal/76 filed August 12, 1976

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

3 Claims

A horizontal electrostatic precipitator for removing dust from dust-laden sulphurous gases comprising a housing with vertical partitions dividing the housing into several chambers disposed in succession along the housing and communicating with each other, a first chamber downstream of the gas inflow into the electrostatic precipitator, in which the gas flow is distributed uniformly over the cross-section of the electrostatic precipitator, a second chamber and successive chambers having earthed electrodes, disposed parallel to one another and to the side walls of the housing, said chambers serving for precipitating and collecting dust; electrodes carrying a negative potential being placed between the earthed electrodes at equal distances, a first downstream group of dust collecting chambers, in which the distance between the earthed electrodes and the negative-potential electrodes is selected from the relationship H in mm,

$$H = a Z^b$$

where Z is the inlet concentration of dust particles in the gas flow

$$g/nm^3$$

a is a coefficient varying in the range of 75-80, b is a coefficient varying in the range of 0.14 to 0.17, a second and next (n-1) chambers along the gas flow of the group of dust collecting chambers, in which the distance between the earthed electrodes and the negative-potential electrodes is selected from the relationship

$$H = 0.7 - 0.8 H'$$

where H' is the distance between the earthed electrodes and the negative-potential electrodes in the preceding chamber from the group of dust collecting chambers, and/or the dust collecting chamber mounted along the gas flow directly behind the (n-1)-th chamber, in which the distance between the earthed electrodes and the negative-potential electrodes is selected from the relationship,

$$H_n = 0.7 - 0.8 H_{n-1}$$

where H_{n-1} is the distance between the earthed electrodes and the negative-potential electrodes in the preceding dust collecting chamber and is equal to the minimum possible distance determined by the dielectric strength of the gas

CLASS 131C.

143327

Int Cl -E21d 15/14

HYDRAULIC PROPS FOR ROOF SUPPORT OF MINES.

Applicant MINING AND ALLIED MACHINERY CORPORATION LTD, A GOVERNMENT OF INDIA UNDERTAKING OF P.O. DURGAPUR-10, DISTRICT BURDWAN, STATE OF WEST BENGAL, INDIA

Inventors SANTI PRIYA SEN AND KARTIK CHANDRA GHOSH

Application No. 1631/Cal/76 filed September 6, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims

A hydraulic prop for roof support of mines comprising an inner pipe telescopically fitted within a cylinder, said inner pipe being fixed to an assembly carrying a cap for taking up the load of the roof and a valve system for the inlet and outlet of the hydraulic fluid for raising and lowering the said inner pipe, characterised in that, the valve system comprises an adapter to which the delivery pipe of the hydraulic fluid is fitted, a spring loaded plunger disposed within said adapter having a main channel, said channel communicating with an opening in the prop through a first passage, one end of said main channel having a hole being in communication with said adapter while the other end being closed by a spring loaded needle disposed within a spring loaded housing provided in adjacent relationship to said plunger which housing is operative by a cam, said cam being operated by a lever (now shown) and a second passage provided within said main channel for the discharge of the hydraulic fluid

CLASS 34A & 40F & 56G & 139D

143328

Int Cl C10I 3/00, B01J 1/00

PROCESS OF THERMALLY GASIFYING HIGH-BOILING HYDROCARBONS BY A TREATMENT WITH WATER VAPOR AND OXYGEN AND A REACTOR THEREFOR

Applicant METALLEGISELLSCHAFT AG, OF 16, FRANKFURT A.M., REUTHERWEG 14, WEST GERMANY

Inventors DR GERHARD BARON, HERBERT BILRBACH AND GUNTER POCKRANTZ

Application No. 1897/Cal/76 filed October 18, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claims

A continuous process of reacting high-boiling hydrocarbons with water vapor and free oxygen-containing gases under a pressure of 5 to 150 bars and at temperatures of 1000° to 1600°C in a catalyst-free reactor chamber to produce a product gas which contains carbon monoxide and hydrogen, characterized in that the reactants and product gas are caused to flow together through a gas-permeable bed of loose granular inert solids before leaving the reaction chamber

CLASS 27L

143329.

Int Cl -E02d 11/00.

IMPROVED GUIDE ASSEMBLY FOR CONSTRUCTING COMPACT FORMATIONS

Applicant & Inventor ASHOK KUMAR, OF H NO 475, 48 207, CIVIL LINES, ROORKEE (DIST SAHARANPUR) AND VIJAY KUMAR, OF H NO 475, 48/207, CIVIL LINES, ROORKEE (DIST. SAHARANPUR)

Application No. 80/Del/77 filed April 23, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

7 Claims

An improved guide assembly for constructing compact formations with truly aligned driving string and centralized driving of reinforcement cage comprising:—

A guided driving head having projected guide means on the sides with a centrally located wooden or steel dolly and a pushfit engaging collar fixed to the bottom of the said dolly, a driving string attached pushfit towards the bottom of the said dolly engages a cone resting in a conical shaped reinforcement cage at the far end, a plurality of bolted

clamp, engaging the said driving string and reinforcement cage, a bottom guide tunnel, for guiding the reinforcement cage, provided at ground level and having a plurality of guide flaps detachably hinged to a base frame fixed to the ground by spikes, the said guided driving head moves guided in a plurality of guide strings attached to a rig frame or tripod and having plurality of extendable arms for fixing to the required inclination and position on the said frame and on the ground.

CLASS 32F;B & 40A..

143330

Int Cl C07C 51/32, 57/04, B01J 11/22, 11/32

PREPARATION OF ACRYLIC ACID AND METHACRYLIC ACID FROM PROPYLENE OR ISOBUTYLENE IN A ONE-REACTOR, FLUID-BED SYSTEM

Applicant THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA

Inventors ARTHUR FRANCIS MILLER, ROBERT KARI GRASSLI AND DAVID TERRILL.

Application No 958 Cal/74 filed April 27, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims No drawings

In the process for the preparation of acrylic acid and methacrylic acid by the reaction of propylene or isobutylene with molecular oxygen at an elevated temperature in the presence of an oxidation catalyst, the improvement comprising

(a) conducting the reaction in a fluid-bed reactor wherein the oxidation catalyst is maintained in one, substantially undivided reaction zone in such a manner that the oxidation catalyst can move to any point in the reaction zone, and

(b) using as the oxidation catalyst a catalyst containing two different catalysts the first catalyst being one that is especially effective for the oxidation of propylene or isobutylene to acrolein or methacrolein and the second catalyst being one that is especially effective for the oxidation of acrolein or methacrolein to acrylic acid or methacrylic acid.

CLASS 35B & C

143331

Int Cl C04B 7/12.

IMPROVEMENT IN OR RELATING TO MANUFACTURE OF POSSOLANA CEMENT WITH PARTICULAR REFERENCE TO POSSOLANA CEMENT FROM PADDY HUSK.

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

Inventors AVINASH CHANDRA KHAZANCHI, PABTRA BARUA, SAMARENDRA NATH DUTTA, MAVILA KUNIYUDATH CHANDRASHIKHARAN NAMBLAR AND BHUSHAN CHANDRA JANA

Application No 2328/Cal/74 filed October 21, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

6 Claims No drawings

An improved process for the manufacture of cement from paddy husk ash or paddy straw ash characterised in that paddy husk is burnt in a stack or kiln or paddy husk fired boilers to obtain paddy ash containing not more than 10% carbon, grinding the same to obtain a powder with surface area or fineness of between 10,000-25,000 cm²/gm measured by standard Blaine's Air Permeability Apparatus and then mixed with slaked lime or Portland cement

CLASS 139A

143332.

Int Cl C01b 31/12.

IMPROVEMENT IN OR RELATING TO A PROCESS FOR PRODUCTION DECOLOURISING TYPE ACTIVE CARBON FROM SOFT WOOD SAW DUST, GROUND UNIT NUT SHELL OR THE LIKE

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

Inventors SARBASRI SATINATH BANERJEE, SATINATH MAJUMDAR, DEBI KINKAR BANERJEE, AMAL CHANDRA DUTTA AND ACHINTYA KUMAR ROY

Application No 72/Cal 73 filed January 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

5 Claims No drawings

An improved process for producing decolourising type active carbon from soft wood saw dust comprising the steps of soaking the saw dust in a very strong solution of surface active agent such as zinc chloride in the proportions of 1:6 to 1:8 on weight basis for a period not less than 12 hours, filtering off the excess zinc chloride solution, subjecting the thus chemically treated saw dust to carbonization out of contact with air at a temperature of 800°C in a retort withdrawing the lump char from the retort and crushing the material to a size below 100 British Standard Mesh, treating the crushed material with 1N HCl acid solution followed by water wash till the pH of the water assumes a value within the limits of 5 to 6

CLASS 139A

143333.

Int Cl C01b 31/10, 31/12

IMPROVEMENT IN OR RELATING TO A PROCESS FOR PRODUCTION OF GAS OR VAPOUR ADSORPTION TYPE ACTIVE CARBON PELLETS AND/OR CATALYST SUPPORT FROM SAW DUST, COCONUT SHELL DUST OR THE LIKE.

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

Inventors SATINATH BANERJEE, SATINATH MAJUMDAR, ACHINTYA KUMAR ROY, AMAL CHANDRA DUTTA AND DEBI KINKAR BANERJEE

Application No 73/Cal/75 filed January 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

8 Claims No drawings

An improved process for producing gas or vapour adsorption type active carbon pellets and/or catalyst support from saw dust or coconut shell dust comprising the steps of impregnating the saw dust or coconut shell dust with a strong solution of surface active agent, subjecting the impregnated material to carbonization at a moderately high temperature, washing the carbonized char and subsequently powdering it to proper size mixing the dried char with a binder tar and/or pitch and water, producing pellets of specified bulk density therefrom, subjecting the pellets to high temperature activation with an oxidising gas for a specified length of time and cooling the product out of contact with air or under inert atmosphere which is characterised in that the dust material is first of all impregnated with a strong solution of zinc chloride which is then carbonised at a temperature not less than 750°C, thereafter the lump char is crushed to a specified size below 16 BS mesh and then washed with 1N HCl acid followed by water, this is then dried and then mixed with a binder such as tar and/or pitch and water and pellets or tablets are produced, these pellets or tablets are then subjected to steam activation at an elevated temperature range of 850° to 950°C for a period within the range of 30 to 45 minutes depending on the bulk density of the raw pellets and corresponding active carbon as well as on the desired gas or vapour absorption efficiency of the end product and finally the active carbon material is cooled out of contact with air or in an inert atmosphere to room temperature.

CLASS 130 D & I 143334
Int Cl C22b 1/12 3/00

PROCESS FOR EXTRACTION OF NICKEL AND COBALT VALUES FROM LATERITIC AND LIMONITIC NICKEL-IRON ORES

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI 1, INDIA

Inventors BIDIT NARAYAN SINGH, MADHUSUDAN MAHANTY DWARKANATH DATTARAM AKERKAR AND VISHWANATH ANANT ALTEKAR

Application No 113/Cal/75 filed January 21, 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch

10 Claims No drawings.

A process for extraction of nickel and cobalt values from lateritic and limonitic nickeliferous ores by crushing the ore and the coal, herein defined as any high volatile, non-metallurgical, bituminous coal of having fixed carbon in the range of 40 to 53%, volatile matter 30 to 40%, moisture 2 to 5% and ash 13 to 17%, mixing and heating the mixture in a furnace to a temperature range of 750 to 800°C, cooling the said mixture to ambient temperature and treating the same with ammoniacal solution containing ammonia and carbon dioxide in presence of a catalyst under atmospheric conditions, whereby nickel and cobalt amine complexes are obtained in solution, separating the solid and the liquid by conventional methods and recovering the nickel and cobalt values from the filtrate.

CLASS 32F a 143335

Int Cl C07c 103/26

PROCESS FOR THE PREPARATION OF PURE, AROMATIC O-HYDROXY-CARBOXYLIC ACID ARYL AMIDES

Applicant HOECHST AKTIENGESELLSCHAFT, OF 6320 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY

Inventor SIGHART MIEDTANK, ADAM RUFFER AND HANS GALSTER

Application No 164/Cal/75 filed January 28, 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

3 Claims No drawings

In a process for the preparation of pure aromatic o-hydroxy carboxylic acid-aryl amides by condensation of aromatic o-hydroxy-carboxylic acids with aryl amines in the presence of phosphorus chlorides in an organic solvent, and diluent, the improvement consisting of carrying out the reaction in the presence of a chelate forming agent

CLASS 43F 143336

Int Cl E04h 3/26

CINEMA STAGE ADJUSTER ACCORDING TO SCREEN SIZES

Applicant & Inventor BANGALORE SRIRAMAI U NAIDU VIJAYARANGAM NAIDU, NO 60 SUDHA MANAGAR BANGALORE 560027, KARNATAKA STATE, INDIA

Application No 56/Mas/75 filed April 4, 1975

Post dated 3rd May, 1976

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madras Branch

5 Claims

A cinema stage adjuster for adjusting a cinema screen to suit the size of the film projected on the screen comprising a pair of flaps arranged swingably one on either side of the screen, the said flaps being swingable between open and

closed positions as herein described, roller means causing the said flaps to move between the said positions a swingable stage platform arranged between the said flaps, one end of the said platform being connected to a drive means through a lead screen, the other end of the lead screen the other end of the lead screen being driven by a motor through a speed reducer and a worm and worm wheel, and said lead screen co-operating with a fixed nut between the said positions

CLASS 10B 143337

Int Cl B65b 13/32 B29c 27/24, C09k 13/10, 53/04

JOINING LENGTHS OF DETONATING FUSE CORD

Applicant IMPERIAL CHEMICAL INDUSTRIES LIMITED OF IMPERIAL CHEMICAL HOUSE, MILIBANK, LONDON SWIP 3 TF, ENGLAND

Inventor DANIEL STEELE

Application No 753/Cal/75 filed April 15, 1975

Convention date April 22, 1974/(17496/74) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

15 Claims

A method of joining two or more lengths of detonating fuse cord comprising assembling the said lengths in contact surrounding the contacting lengths with a heat-shrinkable sleeve of synthetic plastics film, and heating the sleeve to cause it to shrink and bind the lengths of fuse-cord together

CLASS 129P 143338

Int Cl B23b 21/00

IMPROVED MACHINE FOR CHASING OPERATIONS

Applicant & Inventor CHONG MIN HO, C/o C. M. HO & CO MAKUM JUNCTION PO & TO, ASSAM, INDIA

Application No 843/Cal/75 filed April 26, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims

A roller chasing machine comprising a machine bed, at least one headstock having a work spindle rotatably located therein at the end of which is provided a chuck for gripping a workpiece, guideways having a plurality of oppositely disposed saddles mounted thereon each adapted to carry a cross slide provided with a tool post for holding a chasing tool and a tail stock at the opposite end of said machine bed from said headstock said tailstock being adapted to travel longitudinally of said machine bed between said guideways and be clamped in any desired position, said tool post provided on each cross slide carried on each pair of oppositely disposed saddles being disposed offset relative to the oppositely disposed tool post and each oppositely disposed saddle and cross slide being adapted to move oppositely and transversely of said machine bed by means of a handwheel and screw spindle

CLASS 70C₁ 143339

Int Cl C23b 3/02

A METHOD FOR MANUFACTURING METAL SCREEN CYLINDERS IN A GALVANIC BATH, AND A METAL SCREEN CYLINDER OBTAINED BY MEANS OF THIS METHOD

Applicant STORK BRABANT B.V., OF 43A WIM DI KORVERSTRAAT, BOXMEER, THE NETHERLANDS

Inventor LODEWIJK ANSFIRODF.

Application No 986/Cal/75 filed May 16, 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

10 Claims	CLASS 401	143342
A method for manufacturing a metal screen cylinder or stencil in a galvanic bath, starting from a matrix having an electrically conductive surface, comprising a pattern of insulating material, characterised in that a plurality of thin conductive wires are arranged spaced from one another around the surface of the matrix whilst during the said process the wires are somewhat spaced from the surface in order to permit a deposition of a covering layer of melt around the entire circumference	Int Cl-B01D 33/02 A METHOD AND APPARATUS FOR SEPARATING A LIQUID/GAS MIXTURE	<i>Applicant</i> RHONE-POULENC INDUSTRIES, 62 AVENUE MONTAIGNE, 75 PARIS (8TH), FRANCE <i>Inventor</i> MICHEL BARLOY. Application No 1885/Cal/75 filed October 1, 1975 Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta
CLASS 32F b & 40B Int Cl-C07C 57/04, B01J 11/22	143340	9 Claims
PRODUCTION UNSATURATED ACIDS FROM THE CORRESPONDING ALDEHYDES		A method of separating a liquid/gas mixture coming from a rotary filter subjected to a vacuum and provided with a circular vacuum box, wherein the liquid/gas mixture coming from the filter is passed into the vacuum box which is provided with an enclosure which rotates around the axis of rotation of the filter and is of generally circular shape, and in which enclosure the liquid and the gas separate the liquid passing via at least one lower opening into a lower fixed enclosure of the vacuum box which is generally in the form of a circular channel and the gas passing via at least one upper opening into an upper fixed enclosure of the vacuum box which is generally in the form of a circular channel, so that the liquid and the gas are collected separately, the rotating enclosure being connected to the two fixed enclosures in a liquid tight and gas-tight manner
<i>Applicant</i> THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA <i>Inventors</i> SERGE ROMAN DOLHYJ AND ERNEST CARL MULBERGER Application No 1173/Cal/75 filed June 13, 1975 Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta	143343	10 Claims No drawings
A process for the preparation of acrylic acid or methacrylic acid by the oxidation of acrolein or methacrolein in the presence of an active catalyst of the formula . A _n W _b V _c M _d O _e in which A is F, M, C _n , S _n , S _d , C _r , C, U, C, N, Z _n , M or mixture thereof, and in which a is 0—12, b is 0.1 to about 16, c is 0.5 to about 12, d is 8 to about 16; x is the number of oxygens required to satisfy the valence requirements of the other elements present	CLASS 185E Int Cl-A23f 3/00	PRODUCTION OF DEHYDRATED TEA EXTRACTS <i>Applicant</i> NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS. <i>Inventor</i> RUPERT JOSEPH GASSER AND JAMES GORDON FRANKLIN Application No 2004/Cal/75 filed October 16, 1975 Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta
at an elevated temperature of 200° to 500°C, the improvement comprising using a coated catalyst consisting essentially of an inert support material having a diameter of at least 20 microns and an outer surface and a continuous coating of said active catalyst on said inert support strongly adhering to the outer surface of said support	17 Claims	A process for dehydrating an aqueous extract of tea leaves having a concentration of from 40 to 55% by weight of solids comprising applying a film of said extract in a thickness of up to 0.9 centimeters on the external surface of a rotating drum, maintaining the internal temperature of said drum in a range of from 95 to 125°C, evaporating water from said film under a condition of vacuum of from 3 to 15 Torr for a residence time of from 10 to 150 seconds until the total moisture content of the extract is in the range between 2% to 4%, and then subjecting the dried film to a shearing force to remove the dried extract from the surface of said drum as flakes having an apparent density of 12 grams or less per 100 cc
CLASS 123 Int Cl-C05C 3/00	CLASS 62A ₁ & A ₂	143344
PRODUCTION OF GRANULAR AMMONIUM SULPHATE	Int Cl-D061 3/14	PARTIAL PREVENTION OF YELLOWING OF BLEACHED JUTE PRODUCTS <i>Applicant</i> DR AMAL CHANDRA CHAKRABORTY, THE DIRECTOR JUTE TECHNOLOGICAL RESEARCH STATION, INDIAN COUNCIL OF AGRICULTURAL RESEARCH, 12 REGENT PARK, CALCUTTA-40 WEST BENGAL, INDIA <i>Inventor</i> DR AMIYA KUMAR SNAYAL Application No 2249/Cal/75 filed November 25, 1975 Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta
13 Claims No drawings		
A process for the production of granular ammonium sulphate characterised in that ammonium sulphate is granulated in the presence of a granulation aid which is a trivalent metal salt		

5 Claims No drawings

A process for prevention of yellowing of bleached jute products or prevention of discolouration of dyed jute products which consists in dipping the jute products in an aqueous solution containing 5 to 10% of cum bisulphonate at 2 to 10°C forming run out the excess liquid from the product, drying and calendering the jute.

CLASS 128 G 143345

Int Cl A61b 5/00

AMETHOD FOR PREPARING A TEST DEVICE FOR DETECTING BILIRUBIN IN A URINE SAMPLE

Applicant MILES LABORATORIES, INC., OF 1127 MYRTLE STREET, FORT WAYNE, INDIANA, UNITED STATES OF AMERICA.

Inventor CHARLES TAK WAI LAM

Application No 2417/Cal/75 filed December 30, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

22 Claims

A method for preparing a test device for detecting bilirubin in a urine sample which method comprises the step of incorporating a carrier matrix with a diazonium compound which reacts with urinary bilirubin to produce a color change, a constituent capable of producing an acidic pH in said urine sample and an organic sulfonic acid or salt adduct of urea or of a derivative of urea, which adduct has a potentiating effect on reaction of said diazonium compound with urinary bilirubin in an acidic environment

CLASS 45 G 143346

Int Cl E03d 1/20, 1/33

ROTARY FLUSHING CISTERN

Applicant & Inventor PAYIKAD VARUGUYESE GHOR GE OF APYIKAD KANAM P.O., 686515, KOTTAYAM DISTRICT KERALA

Application No 53/Mas/76 filed March 22, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch

5 Claims.

A rotary flushing cistern for water closets comprising of an outer tank having a downwardly extending pouch, terminating in an outlet, a half cylindrical bucket, provided with a bulge and eccentrically suspended along a horizontal shaft, a water inlet for supplying water to the said bucket through a water regulator the said water regulator being formed integrally inside the bucket for supplying a predetermined quantity of water to the said bucket, so that when the said predetermined quantity of water is filled inside the bucket the said bucket rotates automatically to discharge the water contained therein into the outer tank thereby facilitating flushing

CLASS 107K 143347

Int Cl F01H 9/00

AN INLET VALVE FOR A TWO STROKE INTERNAL COMBUSTION ENGINE

Applicant M M SURI AND ASSOCIATES PRIVATE LIMITED BHANDARI HOUSE (2ND FLOOR), OF 91 NFHRU PLATE NEW DELHI 110024, INDIA

Inventor IOIS VENKATACHARI SRINIVASA IYENGAR

Application No 919/Cal/76 filed May 26, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Delhi Branch

6 Claims

A valve for use with the inlet port of a two stroke internal combustion engine comprising a chamber with a plate provided therewith and such as to define an inlet and outlet zone, a plurality of openings provided in said plate and

such as to allow the fuel mixture to flow from the inlet to the outlet zone, a member disposed in the proximity of said plate and on the side of the outlet zone said member having axial movement relative to said plate and such as to open or close said openings said movement being controlled by the differential pressure within said chamber

CLASS 32A,

143348

Int Cl C09b 41/00

PREPARATION OF AZO DYESTUFFS WHILEST THEY ARE UNDERGOING COMMINUTION

Applicant PAYER AKTIENGESELLSCHAFT, OF DVERKUSEN FEDERAL REPUBLIC OF GERMANY
Inventors WILLY SCHIWY, (2) HANS-HEINZ MOLLS (3) RICHARD HORNIK

Application No 1099/Cal/76 filed June 21, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

7 Claims

Process for the preparation of azo dyestuff formulated by diazotisation and coupling in aqueous dispersion, optionally followed by drying characterised in that the diazotisation is carried out accompanied by mechanical comminution

CLASS 40 F

143349

Int Cl B01j 1/00

IMPROVEMENTS IN/OR RELATING TO THE CONTINUOUS FLUID BED REACTOR FOR GAS SOLID REACTIONS

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI 1 INDIA

Inventors MADABUSHI RAMACYARYULU, (2) NFRUR NATARAJAN RAMAKRISHNAN, (3) RAJAGOPAL VAIDYESWARAN (4) RAMCHANDRA NAGESH RAO PARLIKAR & MUMTAZ ABDUL KHAIEL AKMAL

Application No 464/Cal/75 filed March 11, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

4 Claims.

An improved apparatus for reacting finely divided solids is described herein in a fluidised bed with gases such as air hot combustion gases containing air or oxygen and steam mixtures, wherein the improvement comprises in providing a gas distribution grid whereby the gases which serve as fluidisation medium are injected consists of two sets of horizontal side mixing nozzles fitted diametrically opposite to each other connected to a common gas entry pipe

CLASS 32-D

143350

Int Cl C07f 7/28

A PROCESS FOR PREPARING A MIXTURE OF ORGANO-TITANATES

Applicant KENRICH PETROCHEMICALS INC AT THE FOOT OF EAST 22ND STREET, BAYONNE NEW JERSEY 07002 USA

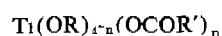
Inventors SALVATORE JOSEPH MONTE (2) AND PAUL FASTENAU BRUNN

Application No 540/Cal/75 filed March 19, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

6 Claims

A process for preparing a mixture of organo titanates represented by the Formula 1



wherein OR is a hydrolysable group and OCOR¹ is formed from an organic acid having from 6 to 24 carbon atoms and n is over 3 and not more than 3.5 characterised by reacting over 3 but not more than 3.5 moles of an organic acid having 6 to 24 carbon atoms with one mole or more a titanate having the formula Ti(OR).

CLASS 10A & 40F & 72C. 143351.

Int. Cl-F42b 39/00, C06b 19/04, 21/00.

A DEVICE FOR PRODUCTION OF CELLED EXPLOSIVE

Applicant : NITRO NOBEL AB, OF 710 3 GYTTORP, SWEDEN

Inventors : PER ANDERS PERSSON, GUNNAR EGERSTROM AND BROR LENNART TEODOR STERNHOFF. Application No 1094/Cal/75 filed June 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A device for the production of a gelled explosive through the mixing of a solid phase consisting of a mixture of two or more components such as, for instance, guar, sodium nitrate, sodium nitrite, aluminium, citric acid and a liquid phase, consisting of a mixture of two or more components such as, for instance, a wetting agent, urea, water a sensitizer e.g. monomethyl ammonium nitrate, ammonium nitrate in such proportions and of such a composition that the mixture will remain liquid during a predetermined period of time through for instance the influence of heat, characterised in that it consists of a mixing unit preferably of a funnel-like shape, the feeding device for the liquid phase then being such that the phase is fed to the unit in such a way that it moves along the entire inner envelope surface of the unit particularly in a spiral movement and the feeding device for the solid, powder phase is such that the phase is fed to the unit in its centre or somewhat eccentrically, whereby a good mixing of the liquid and the powder phase is obtained, that the mixing unit is connected to a coupling unit that receives the mixture formed in a liquid state, and that the coupling device can be connected to a casing in the form of a hose, a tube, or the like, in which the mixture, after having been filled in, is allowed to gel.

CLASS 35D. 143352

Int. Cl-C04b 11/04, 11/00.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR THE MANUFACTURE OF GYPSUM PLASTER.

Applicant : FERTILIZER CORPORATION OF INDIA LTD, P.O SINDHI, P.O. SINDRI, DT DHANBAD, BIHAR

Inventors : NETI SITARAM ANJANEYULU, DINKAR, MADHAORA O THAKRE YOGENDRA KUMAR VERMA AND SUSHIL CHANDRA

Application No. 2084/Cal/75 filed October 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims No drawings.

A method for the production of gypsum plaster cement from byproduct phospho-gypsum which comprises, mixing the byproduct gypsum with not more than 4% by weight of inorganic additives said additives being selected from alkali carbonate, and potash or ferro-alum and lime, forming a thorough mixture of the byproduct gypsum and the inorganic additives followed by roasting the mix so formed at temperatures of 650° to 800° whereafter the product obtained is cooled and pulverised to the desired particle size

CLASS 15D 143353

Int. Cl-F16c 33/00

BALL BEARING.

Applicant : UNITED TECHNOLOGIES CORPORATION AT 1 FINANCIAL PLAZA HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA

Inventor : ARTHUR EVERETT WETHERBEE JR.

Application No 647/Cal/76 filed April 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A ball bearing construction having an outer race, an outer race, an inner race and a plurality of balls journaled therebetween, said balls being mounted in a cage and said inner race being defined by a pair of juxtaposed ring elements, characterised in that a groove is centrally disposed relative to the central plane and said balls on the inner diameter of at least one of said ring elements that the cage is defined by a scalloped ring element having an annular portion on the inner diameter fitting into said groove and dimensioned to be free to rotate therein, the scalloped portion defining recesses being dimensioned to space and receive each of said plurality of balls, and that means are provided for lubricating said inner race, said outer races, said cage on the outer diameter of at least one of said ring element and said balls comprising at least one radial passage formed on the outer diameter of at least one of said ring element terminating in said groove for admitting lubricant thereto from external of said bearings, whereby said lubricant in said groove is then directed into the interior of the bearing.

CLASS 32F.b & 55E. 143354.

Int. Cl C07c 59/00.

A PROCESS FOR THE MANUFACTURE OF HYDROXY ACIDS

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SWIP 3JF, ENGLAND.

Inventors : DAVID CECIL ALDRIDGE, GRAHAM CHARLES GRAWIEY, & COLIN JOHN STRAWSON.

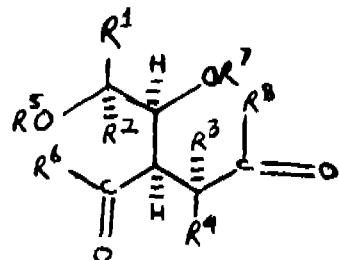
Application No. 1357/Cal/76 filed July 29, 1976.

Convention date August 21, 1975 (34842/75) U.K.

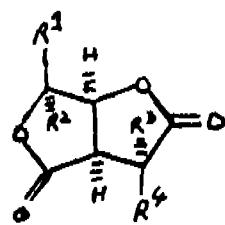
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for the manufacture of a hydroxy acid of the formula I.



Wherein one of R¹ and R⁵ is hydrogen, a C₁₋₁₀-alkyl or phenyl radical, and the other of R¹ and R⁵ is hydrogen, one of R² and R⁴ is hydrogen or a C₁₋₁₀ alkyl radical, and the other of R² and R⁴ is hydrogen; or R² and R⁴ together form the methylene (=CH₂) radical and wherein either R² is hydrogen and R⁴ is hydroxy radical, or R² and R⁴ together form a direct bond, and either R³ is hydrogen and R⁴ is a hydroxy radical, or R³ and R⁴ together form a direct bond, provided that at least one of the R³ and R⁴ is hydrogen; or a pharmaceutically acceptable base addition salt thereof, which comprises hydrolysing a dilactone of the formula V.



R^8 and R^4 have the meanings defined above, in the presence of an alkali metal hydroxide and at a temperature of 0.60°C , and whereafter, when a pharmaceutically acceptable salt is required, a hydroxy acid of formula 1 is reacted with a suitable base, using conventional procedures.

CLASS 32A, 143355

Int Cl C09b 29/00

PROCESS FOR THE PREPARATION OF AZO DYE-STUFFS.

Applicant BAYER AKTIENGESELLSCHAFT, OF LEVERKUSFN, FEDERAL REPUBLIC OF GERMANY.

Inventors. (1) HANS-HEINZ MOILS, (2) WILLY SCHIWY, (3) REINHOLD HORNLE, & (4) REINHARD NEBELING.

Application No. 74/Cal/77 filed January 19, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims.

Process for the preparation of azo dyestuffs by diazotising a diazo component and coupling with a coupling component, characterised in that the diazotisation is carried out with addition of free dispersing agent acid to which, after the synthesis, either no basic agents are added or basic agents are added only up to a pH value of 3.

CLASS 70A & C, 143356

Int. Cl-C23b 9/00.

AN ELECTROLYTIC CELL FOR ANODIC OXIDATION OF CONDUCTORS/SEMICONDUCTORS.

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110001, INDIA

Inventors BRAHAM DUTT TYAGI AND SATISH KUMAR BHATNAGAR

Application No 2552/Cal/74 filed November 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims

An apparatus for anodic oxidation of conductors/semiconductors comprising a cathode and a specimen (anode) e.g. H^+ ions and NO_3^- ions when a voltage is applied having two terminals one of which applies positive voltage to the specimen via a metal electrode and the other terminal applies a negative voltage to the cathode whereby the electrolyte e.g. nitric acid gets dissociated into its components e.g. H^+ ions and NO_3^- ions when a voltage is applied between a cathode and the anode and the product(s) of dissociation e.g. NO_3^- ions oxidise the specimen (anode) characterised in that the specimen (anode) is connected to the base and a gasket is pressed on to the specimen (anode) and the gasket is provided with a cover on which the cathode is mounted whereby the gasket and the specimen together form a cavity to hold the electrolyte thereby requiring only an amount of electrolyte sufficient to fill the cavity and anodisation of only one side of the specimen, namely the side in contact with the electrolyte is effected

CLASS 73 & 155-D 143357

Int Cl D06c 1/00; D06m 17/00

TEXTILE FABRIC SHEET OR WEB PROVIDED WITH ONE OR MORE ZONES OF REDUCED STIFFNESS AND A METHOD FOR ITS MANUFACTURE

Applicant STOTZ & CO AG OF 15 WAI CHEST RASSF CH 8006 ZURICH, SWITZERLAND

Inventor ZDENEK KOULA.

Application No. 2820/Cal/74 filed December 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims No drawings.

A method for the manufacture of a textile fabric sheet or web provided with one or more zones of reduced stiffness, consisting in operating upon or treating in a manner such as herein described one or more predetermined zones of a textile fabric sheet or web which is initially of uniform stiffness so as to reduce the stiffness of the fabric in the said zone or zones.

CLASS 97-C 143358.

Int Cl H05b 3/00

A WATER HEATER

Applicant & Inventor JAI SINGH GAUR, C/o. J. B. ELECTRONICS, 123/487 FACTORY AREA, KALPI ROAD KANPUR-12, U.P., INDIA

Application No 632/Cal/75 filed March 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims

A water heater consisting of a chamber having an inlet adapted to be connected to a source of water and an outlet characterised in an annular member disposed within said chamber having two graphite blocks provided on the interior surface a plurality of openings provided in said annular member, an electrode disposed within said member and in a spaced relation thereto and such that there is a flow of water in the space defined between said electrode and member said electrode and member adapted to be connected to a power source.

CLASS 47-C & 84-C, 143359.

Int Cl C10I 5/00; 9/00

IMPROVED PROCESS AND PLANT FOR BENEFICIATION OF COKING OR NON-COKING COAL.

Applicant PREMIUM COKE MANUFACTURING CO PRIVATE LTD, OF VILL DEOLI, P.O. GOVINDPUR, DHANBAD, BIHAR, INDIA

Inventor RAJENDRA KUMAR JALAN

Application No 617/Cal/76 filed April 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

8 Claims

An improved process for beneficiation of coking or non-coking coal comprising the sequential steps of :—

(a) loading with coking or non-coking coal, to be processed, a series of movable baskets, running on a guide line, each of said baskets being constituted by an open-top housing with perforated sheet metal or metallic wire net walling and having formed therein two chambers separated by a manually or mechanically operable flap valve, and further having a latched bottom made of perforated sheet metal or metallic wire net, said latched bottom being adapted to be opened to cause unloading of the contents of the lower one of said chambers in the event of its latch being subjected to an impact force against a hard surface provided at an unloading zone;

(b) separating the coal from the associated impurities by passing said baskets loaded with the coal to a separation zone constituted by a gravity bath made up of finely ground solid suspensions, such as herein described, and during such separation keeping the flap valve of each of said baskets open so as to allow the heavier impurities to trickle down through the valve opening and accumulate

in the lower chamber, ensuring that the flap valves are closed just before the baskets leave said separation zone, and

(c) rinsing the so separated coal by passing the baskets through a water spraying zone, followed by unloading operations of the separated products (both floats and sinks).

CLASS 129-Q.

143360.

Int. Cl. B23k 9/16.

DOUBLE SHROUDING OF GAS IN TUNGSTEN INERT GAS (TIG) WELDING

Applicant. BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20, KASTURBA GANDHI MARG, NEW-DELHI 11001, INDIA

Inventor RAMASWAMI KRISHNAMURTHI.

Application No 747/Cal/76 filed April 28, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A process of welding by utilizing a non-consumable tungsten electrode for arcing with an inert gas viz, Argon for shielding the arc characterized in that there is provided an auxiliary shielding of the said gas by carbon dioxide which is introduced along with the Argon gas but around the passage of Argon gas for shrouding of the arc whereby the consumption of the Argon gas is considerably reduced

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at Two Rupees per copy.

95539 95609 95754 95755 95769 95801 95829 95874 95882
95897 95900 95919 95959 95964 95968 95973 95978 95897
96007 96008 96020 96028 96043 96086 96113 96133 96198
96227 96254 96258 96278 96305 96406 96411 96415 96457
96497 96519 96556 96585 96606 96667 96697 96835 96905

96918 96951 97010 97040 97199 97215 97223 97225 97229
97245 97254 97257 97260 97267 97269 97282 97290 97296
97297 97302 97311 97327 97332 97336 97392 97416 97419
97427 97439 97445 97451 97456 97463 97473 97485 97488
97297 97302 97311 97327 97332 97336 97392 97416 97419
98234 101639 101640 101641

PATENTS SEALED

138060 139892 140099 140793 140801 140802 140814 140815
140825 140863 140948 140954 140959 140961 140968 140976
140990 140995 140996 141008 141012 141017 141043 141050
141078 141082 141098 141112 141114 141121 141123 141125
141142 141143 141151 141152 141156 141208 141363 141375
141420 141453 141476.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Dr. Krishnapillai Vishwanathan Nayar under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No 141563 in his name has been allowed

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by ESB Incorporated in respect of patent application No 137387 as advertised in Part III, Section 2 of the Gazette of India dated the 18th June 1977 have been allowed

(2)

The amendments proposed by Fried Krupp G m b H, in respect of patent application No. 140541 as advertised in Part III, Section 2 of the Gazette of India dated the 18th June, 1977 have been allowed

(3)

The amendments proposed by Takeda Chemical Industries Ltd, in respect of patent application No 141283 as advertised in Part III Section 2 of the Gazette of India dated the 18th June, 1977 have been allowed

Lis No. I

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose:—

Sl. No.	Patent No.	Date of Patent	Name & address of the patentee	Brief title of the invention
1	2	3	4	5
1.	76723	20-4-1972	Pfizer Coprn., Calle 15½ Avenida Santa Isabel, Colon, Panama.	6-substituted-3-(1, 1, 1-trifluoroethyl)-thiomethyl-7-sulfamyl-3, 4-dihydrobenzo-1, 1-dioxo-1-thia-2, 4-diazines.
2.	77133	20-4-1972	Laboratories D'analyses et de Recherches Biologiques Mauvernay-Centre European De Recherches Fondamentale at Apphiques, 20 Rue de Commerce, Riom, (P.P.E.D), France.	Preparing thiényl-phenyl ethyl (N-methylmorpholinium) carbinal & salts thereof.
3.	77431	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17.	6-substituted-3-allythiomethyl 7-sulfamyl-3, 4-dihydrobenzo-1, 1-dioxo-1-thia-2, 4-diazines.
4.	77755	20-4-1972	Sempa-Chimie, 20 rue des Fosses Saint-Jacques, Paris, France.	Method for the preparation of codeinone from thebaine.
5.	77794	20-4-1972	B Hoffmann-La Roche & Co AG, 124-184 Grenzacherstrasse, Basle, Switzerland.	Preparation of sulfonamides of the pyrimidine group
6.	77900	20-4-1972	Eli Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, USA.	Producing capreomycin & acid addition salt thereof.
7.	78001	20-4-1972	Mallinckrodt Chemical Works, 3600 North Second Street, Saint Louis, Missouri, USA.	Novel Isophthalic acid derivatives.

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8.	78135	19-8-1961	F. Hoffmann-La-Roche & Co. AG., 124-184 Grenzachstrasse, Basle, Switzerland.	Triol Compounds.
9.	78136	19-8-1961	F. Hoffmann-La Roche & Co. AG., 124-184 Grenzacherstrasse, Basle, Switzerland.	Cosmetic preparation.
10.	78785	7-10-1961	Nissan Kagaku Kogyo Kabushiki Kaisha, 2, Honcho-1-Chome, Nihonbashi, Chuo-ku, Tokyo, Japan.	Production of phosphoric acid & gypsum.
11.	78818	20-4-1972	Egyesult Gyogyszer-es Tapszergyar, 30-28, Keresztrui ut, Budapest X, Hungary.	Preparation of New alkyl benzyl tropinium derivatives.
12.	78943	20-4-1972	Baylor University College etc , Houston, Court of Harris, Texas, USA.	Preparing stable live virus vaccine.
13.	79373	20-4-1972	Behringwerke AG., Marburgh/Lapn, Federal Republic of Germany.	Preparing disaggregated gamma globulin.
14.	79384	20-4-1972	American Home Products Corp., 685 Third Avenue, New York 10017.	New penicillin derivatives & pharmaceutically acceptable salts.
15.	79443	20-4-1972	Chas Pfizer Inc., 235 East 42nd Street, New York.	6-methylene-5-exotetracycline.
16.	79544	20-4-1972	Sterling Drug Inc. 1450 Broadway, New York.	Derivatives of 1, 2, 3, 4, 5, 6-hexahydro 2, 6-methano-3-benzazocine.
17.	80528	20-4-1972	Chinoin Gyogyszer-Es Vegyesti Termek Gyara R.T., 1-5 To UtCa, Budapest IV, Hungary.	Preparation of New alkylsulphonic acid ester.
18.	80677	20-4-1972	Eli Lilly & Co., 740 South Alabama, Indianapolis, Indiana, USA.	Preparing novel alkaloids
19.	80852	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware County, Pennsylvania, USA.	Preparing polycyclic aromatic diene compounds.
20.	80931	20-4-1972	Rhone-Poulenc S.A., 21 Rue Jean Gonjon, Paris 82, France.	New antibiotic designated as 9671 RP.
21.	80978	20-4-1972	Bristol-Myers Co., Thompson Rd., East Syracuse, New York.	Alpha-amino benzylpenicillins.
22.	80985	20-4-1972	Dr. Karl Thomas GmbH, Biberach an der Riss, Federal Republic of Germany.	Novel derivatives of piperidine.
23.	81049	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N.W.1.	Purification of polymyxines.
24.	81170	20-4-1972	Henri Motren Dr. Sc., 171 Avenue Jupiter Forest-Brussels, Belgium.	New piperazine derivatives.
25.	81465	20-4-1972	Eli-Lilly & Co. 740 South Alabama, Indianapolis, Indiana, USA.	7-amino acids. cephalosporanic
26.	81506	29-3-1962	Dr. Beck & Co. GmbH, Eiselenweg, Hamburg 28, W. Germany.	Lacquers.
27.	82373	20-4-1972	Pfizer Corp, Calle 15½ Avenida Santa Isabel, Colon, Panama.	2-oxo-3- (N, N-disubstituted carboxamido)-1, 2, 3, 4, 6, 7-hexahydro-1b-H-benzo pyridocoline.
28.	82435	20-4-1972	Do.	Organic ring nitrogen compounds
29.	82472	20-4-1972	Eli-Lilly & Co, 740 South Alabama, Indianapolis, Indiana, USA.	New cephalosporin compounds.
30.	82567	20-4-1972	The Wellcome Foundation Ltd. 183, Euston Rd, London, N.W.1.	Manufacture of prolonged release pharmaceutical tablets.
31.	82605	20-4-1972	Spofa Sdrizeni Podniku Prozdrovtruckov, No. 11a Husinecka, Prague 3, Czechoslovakia.	Preparing new derivatives of 6, 11 dihydronaphthalene thiepin.
32.	82772	15-6-1962	Nissan Kagaku Kogyo Kabushiki Kaisha, No 2., 1-chome, Nihonbashi, Koncho, Chuo-ku, Tokyo.	Production of complex fertilisers.
33.	82861	19-6-1962	F. Hoffmann-La Roche & Co. AG, 124-184 Crenzacherstrasse, Basle, Switzerland.	Hair treating composition.
34.	83344	19-7-1962	Bristol Myers Co, Thompson Rd, East Syracuse, New York.	Anhydro penicillin.

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35.	83397	24-9-1961	F.L. Smidh & Co, A/S. 77 Vigerslev A/S, 77 Vigeslev Alle, Copenhagen-Valby, Denmark.	Cement.
36.	83482	20-4-1972	Dr. Karl Thomal GmbH, Biberach ander Riss, Federal Republic of Germany.	2-(5, 6, 7, 8-tetrahydronaphthylamino) imidazoline & the acid addition salts thereof.
37.	83678	20-4-1972	Do.	New Steroid esters.
38.	83880	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Road, London, N.W. 1.	Obtaining satisfactorily stable attenuated measles virus vaccine.
39.	83900	28-8-1972	Monsanto Chemical Co., 800 North Lindbergh Blvd, St. Louis 66, Missouri USA.	Aqueous detergent composition.
40.	84106	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware County, USA.	18-homo-19-nortestosterone esters or their 3-enol acetates
41.	84235	20-4-1972	Deutsche Gold und Silber-Scheideanstalt Vormal Roessler, 9-Weissfrauenstrasse.	Azaphenothiazines.
42.	84246	20-4-1972	F. Hoffmann-La Roche & Co, AG, 124-184 Grenzacherstrasse, Bassle, Switzerland.	Novel therapeutic compositions.
43.	84260	20-4-1972	Do.	Tetrahydrosoquinolone derivatives.
44.	84329	20-4-1972	American Home Products, 685 Third Avenue N.Y., USA.	Preparing substituted cycloalkanemdoles.
45.	84680	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware County, USA.	1, 4 dihydro aromatic steroid compounds.
46.	84683	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware Couty, Pennsylvania, USA	17-alkyl steroid ketenes related to 19-nortestosterone.
47.	84684	20-4-1972	Do	Preparing unsaturated 17-alkyl steroid ketones.
48.	84936	3-11-1961	Laporte Titanium Ltd, Hanover House, 14, Hanover Square, London W. 1	Manufacture of oxides.
49.	85113	20-4-1972	Dr. Karl Thomaes GmbH, Biberachander Riss, Federal Republic of Germnay.	New dihalogen amino benzylamines
50.	85380	20-4-1972	Koll AG, Ludwigshafen on Rhine, Federal Republic of Germnay.	Basically substituted phenylacetonitriles.
51.	85500	6-12-1962	Dr. Beck & Co. GmbH, Eiselenweg, Hamburg 28, West Germany.	Producing non-flammable hard-enable synthetic resins for electrotechnical uses.
52.	85501	6-12-1962	Do.	Non-linear hardenable & neutral synthetic resin.
53.	85928	20-4-1972	Novo Terapeutisk Laboratorium A/S 215 Aordre Fasanvej 215, DK-3200 Copenhagen N. Denmark.	Aminoalkylation of aromatic or aromatic heterocyclic secondary amines.
54.	85997	11-1-1963	Bristol-Myers Co. Thompson Rd, East Syracuse, New York, USA	Penicillins.
55.	86113	20-4-1972	Scherico Ltd, Topferstrasse 5 Lucerne, Switzerland.	Hydrohalogenation of 9, 11-epoxy steroids.
56.	86514	20-4-1972	F. Hoffmann-La Roche & Co AG, 124-184 Crenzacherstrasse, Bassle, Switzerland.	Benzodiazepine derivatives.
57.	86705	20-4-1972	Do.	Do.
58.	87067	22-3-1962	F. L. Smidh & Co A/S 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Apparatus for exchanging heat between solid particles and gases.
59.	87276	20-4-1972	Deutsche Gold und Silber Scheideanstalt Vormal Roessler 9, Weissfranenstrasse, Frankfurt/Main, Federal Republic of Germany.	New pyridine derivatives and process for their preparation.
60.	87541	20-4-1972	B Hoffmann-La Roche & Co AG, 124-184 Crenzacherstrasse, Bassle, Switzerland.	Manufacture of cobalt organic compound.
61.	87732	20-4-1972	Nippon Soda Kabushiki Kaisha, No. 7, 2-chome, Otemachi, Chiyoda-ku, Tokyo.	Preparing aryl N-substituted thionocarbonates.
62.	87733	20-4-1972	Do.	Do.
63.	87847	20-4-1972	Deutsche Gold und Silber Scheideanstalt Vormal Roenber, Frankfurt/Main, Weisfravenstrasse, Postfach 3993.	Pharmaceutical compounds particularly useful in the treatment of heat & circulatory diseases.

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64.	87850	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Road, London	Potentiation of the anti-metabolic activity of a preparation containing 6-substituted purins.
65.	88014	17-5-1963	Monsanto Chemical Co. 800 North Lindbergh Blvd, St. Louis, Missouri, USA.	Detergent composition.
66.	88350	20-4-1972	F Hoffmann-La Roche & Co AG 124-184 Crenzacherstrasse, Basle, Switzerland.	Sulphonamides.
67.	88403	13-6-1963	Monsanto Chemical Co, 800 North Lindbergh Blvd, St. Louis, Missouri, USA.	Rigid polyvinyl chloride compositions having improved physical properties.
68.	88563	22-6-1963	Food Techniques Inc, 998, Folipe Avenue, San Jose, California.	Treating oleaginous seed.
69.	88583	24-6-1963	Dr. Beck & Co GmbH, Eisclensweg, Hamburg 28, W. Germany.	Modified polyesters & impregnating varnishes prepared therewith.
70.	88612	25-6-1963	F. Hoffmann-La Roche & Co. AG., 124-184 Crenzacherstrasse, Bassle, Switzerland.	Gamma, delta unsaturated carbonyl compounds.
71.	88968	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17.	Azabenzocyclo alkane-N-carboxamidines.
72.	89012	20-4-1972	Rhone Poulenc SA. 22 Avenue Montaigne, Paris.	Steroid compounds.
73.	89435	20-4-1972	American Home Products Corp., 685 Third Avenue, New York-17.	Benzodiazepine compounds.
74.	89465	17-8-1963	Dr. Beck & Co., GmbH, Eisclensweg, Hamburg 28, W. Germany.	Polyurethane lacquers.
75.	90071	20-4-1972	Scherico Ltd. Brinkelried str 56, Lucerne, Switzerland.	Novel antibiotics
76.	90276	20-4-1972	Hoechst AG, 6230 Frankfurt Main, Federal Republic of Germany.	Sulfamylanthranilic acids.
77.	90319	15-10-1963	Dr. Beck & Co. GmbH, Eisclensweg, Hainburg 28, W. Germany.	Esterlike condensation product.
78.	90323	15-10-1963	Toyo Sen I Kabushiki Kaisha, No. 18, 2-Chome, Marunouchi, Chiyodaku, Tokyo, Japan	Processing bast fibres & draft cutting apparatus therefor.
79.	90661	20-4-1972	Roussel-Uclaf 35 Blvd, Des Invalides, Paris 7eme, France.	Purification of dimethylbenzimidazolyl adenosylcobamide coenzyme.
80.	90746	20-4-1972	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1.	Naphthalene derivatives.
81.	91088	20-4-1972	Do.	Alkanolamin derivative.
82.	91354	20-4-1972	Spofa Sdnezeni Podnikoprozdravotnickou, Vyrobce, No. 11a Husinecko, Prague 3, Czechoslovakia.	3, 5-dioxo pyrazolidine derivatives.
83.	91368	20-4-1972	Delamar Chemicals Ltd., 50 Victoria Street, Lachine, Quebec, Canada.	Imidazole derivatives
84.	91581	20-4-1972	Laborotories Etc., Hausmann AG. , ST. Nallen/Switzerland.	Therapeutically useful compositions.
85.	92317	20-4-1972	Meiji Seika Kaisha Ltd, No. 8, 2-chome, Novel stain of streptomycin. Kyobashi, Chuo-ku-Tokyo.	
86.	92480	20-4-1972	Crown Zellerbach, 11 Bucsh Street, San Francis Co, California U.S.A.	Membrane penetrant composition.
87.	92484	20-4-1972	Chemie Grunenthal GmbH, 519 Stolborg Iha Rheinland, W. Germany.	Phenol ethers containing basic groups.
88.	92573	20-4-1972	Behringwerke A.G, Marburgh/Lahn, Federal Republic of Germany.	Foot and mouth disease viruses adopted to tissue cultures.
89.	92692	20-4-1972	Chenou Gyogyzer-Es Vegyeszeti Termekkek Gyara RT, 1-5 To Utca, Budapest IV, Hungary.	Oxadiazole derivatives.
90.	92713	11-3-1963	Commonwealth Scientific & Industrial Research Organisation, 314 Albert Street, East Malbourne Victoria, Australia.	Demineralisation of water by ion exchange resins.

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91.	92934	20-4-1972	Dr. Karl Thomae GmbH, Biberach an der Riss, Talfeldstrasse 27, Federal Republic of Germany.	New dihalogeno-amino benzylamines.
92.	92996	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany.	Sulfamylanthramic acids.
93.	93201	20-4-1972	Michiro Inoue, 12 Tada-Machi, Nakano-ku, Tokyo, Japan.	Manufacture of novel (hydroxymethyl) pyridine.
94.	93230	9-4-1964	Toyo Son-I Kabushiki Kaisha No. 18, 2-chome Marunouchi, Chiyoda-ku-Tokyo, Japan.	Making degummed bast fibres
95.	93335	18-4-1963	F.L. Smidt & Co. A/S, 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Installation for treating cement raw slurry
96.	93409	20-4-1972	Pfizer Inc, 235 East, 42nd Street, New York-17	Substituted thioanthene sulfonamides.
97.	93652	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware County, Pennsylvania, U.S.A	Gonadienone compounds.
98.	93832	28-8-1962	Monsanto Co, 800 North Lindbergh, Blvd, St. Louis 66, Missouri U.S.A.	Inorganic phosphate compositions useful in the preparation of heat dried detergents.
99.	93937	31-5-1963	F.L. Smidt & Co. A/S, 77 Vigersle, Alle, Copenhagen-Valby, Denmark	Cement from clinker.
100.	93998	20-4-1972	John Wyeth & Brother Ltd Hunter Combe, Lane South, Taplow, Maidenhead, Berkshire, England.	Acetoxymethyl benzylpenicillin.
101.	94209	20-4-1972	Behringerwerke AG, Marburgh/Lahn, Federal Republic of Germany.	Vaccine against foot & mouth disease.
102.	94220	12-6-1964	Boots Pure Drug Co Ltd, Station Street, Nottingham, England.	Antifungal seed dressing composition.
103.	94242	20-4-1972	Egypt Gyogsegzervegyeszeti Gyar, Keresztfuri ut 30—38 Budapest X, Hungary.	Preparation of 3-(3', 4'-dihydroxyphenyl)-2-methylalanine & of its derivatives.
104.	94899	20-4-1972	Loba Chemie, Heiligenstedterstrasse 63, Vienna XIX, Austria.	Process for separating pyridine mono-carboxylic acids
105.	94909	20-4-1972	Degussa Gold & Silber Scheidanstalt Vormals Roessler, Frankfurt/Main, Postfach 3993, Federal Republic of Germany.	New pharmaceutically active compounds
106.	95140	20-4-1972	American Home Products Corp., 685 3rd Avenue, New York City 17.	Alpha-17 keto-13beta-alkylgena-1, 3,5(10)-triene
107.	95717	20-4-1972	Orsymonda S.A., 17 rue du Faubourg Montmartre, Paris 16eme.	Preparing salts of 2,4,6-trihydroxybenzoic acids.
108.	95887	20-4-1972	UCB Societe Anonyme, 4, Chaussee de Charleroi, Saint-Gilles-Fez-Brzelles, Belgium	New esters of secondary amino-alcohols.
109.	95909	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17.	Novel aminoalkyl phosphorous compounds.
110.	95944	20-4-1972	Rhone-Poulenc S.A. 22 Avenue Montaigne, Paris, France.	Preparation of imidazole derivatives.
111.	96120	30-10-1963	Laporte Chemicals Ltd Kingsway, Luton, Bedfordshire, England.	Hydrogen peroxide.
112.	96418	20-4-1972	Hoechst AG, 6230 Frankfurt/Mam, Federal Republic of Germany.	Benzenesulfonyl ureas
113.	96655	23-11-1964	Monsanto Co, 800 North Lindbergh Blvd, St. Louis, Missouri 63166, U.S.A.	Monomeric aromatic azoalkane compounds & herbicidal composition
114.	96714	20-4-1972	American Home Products Corporon, 685 3rd Avenue, New York City 17	3-acylamido-5 (aryl or heteroaryl)-1, 3-dihydro-2M-1, 4-benzodiazepin-2-ones.
115.	96757	30-11-1964	Monsanto Co 800 North Lindbergh Blvd, St Louis 66, Missouri, U.S.A.	Polymerising lactams
116.	96773	20-4-1972	Crown Zellerbach, 1 Bush Street, San Francisco, California	Dialkyl sulfoxides.
117.	96816	2-12-1964	Monsanto Co, 800 North Lindbergh Blvd, St. Louis 66, Missouri, U.S.A.	Herbicidal compositions containing alpha-haloacetanilides.
118.	97563	20-4-1972	Pfizer Corp., 102, Rue Leon Theodor, Jette, Brussels 9, Belgium	2-alkyl thiophenes.
119.	97613	25-1-1965	Laporte Titanium Ltd, Hanover House, 14, Hanover Square, London W. 1.	Treatment of gaseous suspension.

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120.	97931	20-4-1972 Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	Preparation of sulfamylanthranilic acid	
121.	98196	1-3-1965 The Santas Co Ltd, 140 Tettenham Court Road, London W-1	Sewage treatment system	
122.	98240	2-3-1965 Monsanto Co., 800 North Lindbergh Blvd, Missouri 63166, U.S.A.	Herbicidal N N-diacylamide	
123.	98241	2-3-1965 Do.	Herbicidal N-formyl alpha-haloace-tanilides.	
124.	98362	20-4-1972 Chemie Grunenthal GmbH, 5190 Gtolberg Fm Rheinland, Postfach 129, Federal Republic of Germany	Alpha-alkyl thyonines.	
125.	98558	20-4-1972 Parke Davis & Co. Joseph Campau, Avenue at the River, Detroit, Michigan, U.S.A.	Nitrostilbene compounds & salts thereof.	
126	98567	22-3-1965 Plastics Kogyo Co Ltd., 1366, 2-chome, Kanagawa-Cho, Karvaguchi, Saitama.	Synthetic resin tubes.	
127.	98850	22-3-1965 Sterling Drug Inc, 90 Park Avenue, New York	Bisguanides.	
128.	99178	24-4-1965 Oxyssynthese Societe Anonyme, 6 Rue Cognacq-Jay, Paris, 7eme.	Hydrogen peroxide	
129	99313	20-4-1972 Meiji Seika Kaisha Ltd, No 8 2-chome, Kyo-bashi, Chuo-ku, Tokyo.	New antibiotic substance ohyamycin	
130.	99315	20-4-1972 Daichi Seiyaku Co Ltd., No. 1, 3-chome, Edobashi, Nihonbashi, Tokyo.	Trans-4-amino-methyl Cyclohexane-1 Carboxylic acid.	
131.	99326	3-5-1965 The Anil Starch Products Ltd, P.B.No. 1062, Anil Road, Ahmedabad-2, India.	Production of bacterial amylase by tray culture method	
132.	99327	3-5-1965 Do.	Bacterial amylase and or protease by submerged culture method & textile desizing preparations containing the same.	
133	99328	3-5-1965 The Anil Starch Products Ltd., P.B. No 1062, Anil Road, Ahmedabad-2, India.	The gluco-amylase from rhizopus by tray culture technique.	
134.	99329	3-5-1965 Do	Glucoamylase from aspergillusniger by submerged culture technique	
135.	99390	20-4-1972 Unilever Ltd., Port Sunlight, Chester, England.	Prostaglandins.	
136.	99460	20-4-1972 Mundipharma AG, Kaiserstrasse, 4, Rheinfelden, Switzerland.	Sennoside derivatives	
137.	99702	20-4-1972 American Home Products Corp. 1685 Third Avenue, New York-17.	Substituted phenyl aryl ketones.	
138.	99846	20-4-1972 American Cyanimid Co, Wayne, New Jersey, U.S.A.	Lower alkoxy pyridyl acetones.	
139.	99869	2-6-1965 Laporte Titanium Ltd., Hanover House, 14, Hanover Square, London W.I.	Titanium dioxide	
140.	100051	20-4-1972 Clin Midy 20 rue des Fosses Saint Jacques, Paris, France.	Benzodiazepine derivatives.	
141.	100123	20-4-1972 Parke Davis & Co. Joseph Campau Avenue at the River, Detroit, Michigan, U.S.A.	Production of anthranilic acid derivatives.	
142	100158	20-4-1972 The Norwich Pharmacal Co, 17 Eaton Avenue, Norwich, New York.	Lower alkyl esters of 6, 7-di(lower) alkoxy-4-hydroxy-3-quinoline carboxylic acid	
143	100174	20-4-1972 Parke-Davis & Co., Joseph Campau Avenue at the River, Detroit, Michigan, U.S.A.	2-methylamino-2-(O-chlorophenyl) cyclohexanone.	
144	100262	20-4-1972 Ciba-Geigy Aarey Rd, Goregaon East, Bombay-62	10-aminoalkyl-11-X-10, 11-dihydro-dibenzo E & f 1 [1, 4-] oxazepines.	
145.	100331	02-4-1972 The Wellcome Foundation Ltd, 183-193 Euston Rd, London N.W.I	Novel amidines	
146.	100430	20-4-1972 Spofa Sdruzeni Poxdravatnicker Vyrobu, No. 11 M Husinecka, Praha, 3, Czechoslovakia	Isolation of bacitracin.	
147	100702	20-7-1965 The Anil Starth Products Ltd., P.B. No. 1062, Anil Road, Ahmedabad-2.	Liquefaction of starch.	

1	2	3	4	5
148.	100717	20-4-1972	Leningradsky Nauchno-Issledovatel'sky Institute Antibiotic crude griseofulvin from a methylene chloride extract.	Antibiotic crude griseofulvin from a methylene chloride extract.
149.	100790	20-4-1972	Ceskoslovenska Akademie Ved, No. 3 Narodni Praha, Czechoslovakia.	Peptides with anti-shock activity.
150.	100901	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Rd, London N.W. 1, England.	Method for preparing guanadines & acid addition salts thereof.
151.	100953	20-4-1972	Do	N-benzyl-N'-N''-dimethyl guanidines.
152.	100954	20-4-1972	U.C.B., Societe Anonyme, 4-chaussee de Charleroi, Saint-Gilles, Ixelles-Bruxelles, Belgium.	New N-substituted lactams.
153.	101016	20-4-1972	Mundipharma AG. Kaiserstrasse 4, Rheinfelden, Switzerland.	N-methyl glucammonium salicylate.
154.	101071	20-4-1972	Parke Davis & Co, Joseph Campau Avenue at the River, Detroit, Michigan, U.S.A.	New organic amines.
155.	101088	11-8-1965	The Carborundum Co, 1625 Buffalo Avenue, Niagara Falls, Niagara Country, U.S.A.	Refractory bodies.
156.	101316	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17.	Schiff bases.
157.	101410	20-4-1972	Hoechst AG., 6230 Frankfurt/Main, 80 Federal Republic of Germany.	[(n-1) oxoalkyl] methyl xanthines.
158.	101542	13-9-1965	F. Hoffmann-La Roche Co. AG., 124-184 Crenzacherstrasse, Basle, Switzerland.	A composition for controlling weeds.
159.	101684	20-4-1972	Rikagaku Kenkyusho, 31, Komagome Kami-fujimaecho, Bunkyo-ku-Tokyo.	New antibiotic polyoximes A & B.
160.	101823	30-9-1965	Monsanto Co 800 North Lindberg Blvd, St. Louis 66, Missouri, U.S.A.	Coating compositions containing crosslinkable polyamides dissolved in phenolic solvents.
161.	101824	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware County, U.S.A.	Steroid compounds.
162.	101892	20-4-1972	Spofa, 11a Husinecka, Praha 1, Czechoslovakia.	Biologically active compounds of facitracin sparingly soluble in water
163.	102060	14-10-1965	The Anil Starch Products Ltd., P.B.No. 1062, Anil Rd, Ahmedabad-2.	Absorption of amylase by starch.
164.	102061	14-10-1965	Do	Starch having improved absorption capacity for amylase.
165.	102062	14-10-1965	Do.	Simultaneous purification & clarification of enzyme solutions obtained from microbial cultures.
166.	102063	14-10-1965	Do.	Depilation of animal raw hides.
167.	102064	14-10-1965	Do.	Stabilizing of enzyme solutions.
168.	102065	14-10-1965	Do	Preventing denaturation of bacterial protease.
169.	102066	14-10-1965	Do	Stabilising method of bacterial neutral protease.
170.	102067	14-10-1965	Do.	Enzyme powders.
171.	102068	14-10-1965	Do.	Treatment of rice for improving its quality.
172.	102069	14-10-1965	The Anil Starch Products Ltd., P.B. No 1062, Anil Rd, Ahmedabad.	Concentration & purification of glucose oxidase.
173.	102070	14-10-1965	Do	Food products obtained by growing
174.	102071	14-10-1965	Do	Concentrating fungal catalase solutions.
175.	102095	20-4-1972	Pfizer In, 235 East 42nd Street, New York-17.	Reducing streptomycin or hydroxy streptomycin.
176.	102120	20-4-1972	Scientific Adviser to The Ministry of Defence, New Delhi-11.	Survived food composition.
177.	102233	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-5	nitroimidazole derivatives

**REGISTRATION OF ASSIGNMENTS, LICENCES, ETC
(PATENTS)**

Assignments, licences or other transactions affecting the interest of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests —

139631 M/s Morarji Dorman Smith Private Limited
349/Bom/74

**PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS 'LICENCES OF RIGHT'**

The following patents are deemed to have been endorsed with the words 'Licences of right' under Section 87 of the Patents Act 1970. The dates shown in the crescent bracket are the dates of the patents

No	<i>Title of the invention</i>
90071 (20-4-72)	Process for the manufacture of novel antibiotics
98787 (20-4-72)	Process for the preparation of Mannich bases of rifamycin SV
100174 (20-4-72)	Process for the production of 2 Methyl amino 2, 10-Chlorophenyl Cyclohexanone and acid addition salts thereof
104255 (20-4-72)	A process for preparation of androsta-1, 4-diene 3, 7-dione
111500 (20-4-72)	Method for the preparation of substituted pyrazole derivatives
113057 (20-4-72)	Process for the preparation of novel des-gona 9, 11-diene 5-one
113605 (20-4-72)	Process for the manufacture of kavain and substitution products of kavain
113973 (20-4-72)	Process for the preparation of n oxides of aminomethyl derivatives of rifamycin sv.
115430 (20-4-72)	Optical resolution of 1 (3, 4, 5-trimethoxybenzyl)-6, 7-dihydroxy-1, 2, 3, 4 tetrahydroisoquinoline
119368 (20-4-72)	Improved process for the dehydrohalogenation of 3-keto 2, 4-dihalogeno steroids
125133 (20-4-72)	Process of preparing -cyanobutyraldimes
125134 (20-4-72)	Process of preparing -cyanobutyraldehyde
125709 (20-4-72)	Process for the preparation of dibasic aluminium histidimate
128042 (17-8-70)	Process for the manufacture of hydrogen peroxide
130576 (16-3-71)	Process for preparing aluminium compounds
130711 (20-4-72)	A process for producing benzodiazepin derivatives
132880 (13-9-71)	Method of preparing alkoxy dinitroaniline compounds
133378 (27-10-71)	Process for the manufacture of new water soluble fibre reactive azodyestuff
133675 (20-4-72)	Process for the preparation of N (diethylamino-ethyl)-4-amino-5-chloro-2-methoxybenzamide
133733 (25-11-71)	The segregation process for the recovery of metals
134080 (20-4-72)	New rifamycin derivatives
135372 (27-6-72)	Improved process for the preparation of piperidine-spiro-hydantoin derivatives

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84013	84391	84512	84723	84724	84780	85012	85173	85267
85322	85531	85613	85614	85660	85661	85662	85663	85693
85830	86077	89736	90161	90205	90206	90587	90672	90913
91004	91782	92356	95940	95973	96620	96629	96649	96659
96701	96876	96991	96992	97400	100533	101897	101914	101944
102034	102057	102198	102376	102465	102546	102885		
103141	103207	104063	105985	107335	107396	107425	107447	
10745	107576	107581	107588	107666	107677	107688	107832	
107926	108138	108389	108394	108585	108770	112661	112744	
112893	112949	112993	113397	113532	113665	113699	113712	
117004	117879	11789	117913	118004	118028	118057	118268	
118358	118583	118618	118808	118943	123167	123330	123331	
123496	123497	123506	123509	123545	123547	123616	12371	
123720	123721	123739	123740	123839	123873	124037		
124431	124496	124517	124594	128433	128448	128681	128862	
128883	128957	129002	129014	129267	129369	129371	129939	
130076	130109	130380	132916	133079	133124	133127	133129	
133130	133143	133144	133160	133172	133244	133275	133560	
133695	133841	133914	133983	135523	135727	135975	136029	
136038	136095	136143	136246	136448	136627	136780	136826	
136871	136926	137061	137089	137185	137203	138105	138273	
138286	138294	138419	138681	138753	138783	138849	138850	
139307	139416	139550	139735	139845	139929	139962	140062	
140095	140176	140334	140475	140497	140536	140566	140601	
140663	140665	140696	140715	140780	140892	140909	140925	
140935	140937	140940	140941	140945	140946	141320		

CESSATION OF PATENTS

98215	98218	98279	98294	98307	98335	98385	98439	98446
98474	98479	98566	98579	98651	98655	98672	98673	98692
98698	98710	98750	98767	98818	98851	98912	98916	106152

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of patent No 135479 dated the 2nd June 1972 made by Council of Scientific and Industrial Research on the 28th February 1977 and notified in the Gazette of India, Part III Section 2 dated the 7th May, 1977 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act 1911

The date shown in each entry is the date of registration of designs included in the entry

Class 1	No 144850 Toyo Valve Company Ltd, of No 8, Nihonbashi-Muromachi 1 Chome, Chuo-ku, Tokyo, Japan a Japanese Company "A Valve Handle" October 28, 1976
Class 1	No 145112 Dunlop Limited, a British Company of Dunlop House, Ryder Street, St James's, London SW1Y 6PX, England "GAMES RACKET" July 20, 1976 (U K)
Class 1	No 145206 Narendra Brothers, 2E/22, Jhandewalan Extension, New Delhi-110055 an Indian Partnership Concern "Pen stand" February 8, 1977
Class 1	No 145277 Sheraton & Co, an Indian Partnership Firm of 131, Nagindas Master Road, Fort Bombay-400001 Maharashtra, India "Frame of the Chair" February 25, 1977
Class 1	No 145278 Sheraton & Co, an Indian Partnership Firm, of 131 Nagindas Master Road, Fort Bombay 400001, Maharashtra, India "Frame of the Chair with bracket" February 25, 1977

Class 1. No 145357 Faran Trading Company, an Indian Partnership Firm, at 21/B, Aljafal Building Compound, 335, Bhendi Bazar, Bombay-400003, Maharashtra, India "Tiffin carrier". March 21, 1977.

Class 1. No 145381 Mohan Lall Sukhia, Indian, Trading as Annapurna Electrical Enterprises, Yamuna Street, P.O. Yamunagar-135001, District Ambala, Haryana "Juice Extracting Machine". March 25, 1977.

Class 1. No 145446 & 145447 David Sushil Pillai, of L-18, Rajouri Garden, New Delhi-110027, India, An Indian National "Emergency light" April 12, 1977.

Class 3. No 145182 Ratalal Narottamdas Panchal, Indian National, Proprietor, trading as Panchal Products, at 21A, Taxm, Industrial Estate, Sankatnagar Naram Path, Off Ferguson Road, Lower Parel, Bombay-400013, State of Maharashtra India "Wall Plug" February 2, 1977.

Class 3. No 145158 Krishna Kumar Shah of 2/1A, Nanda Mullick Lane, Calcutta-700006, West Bengal, India An Indian National "Stitch Ripper" January 25, 1977.

Class 3. No 145296 Incheek Tyres Limited of Leslie House, 19, Jawaharlal Nehru Road, Calcutta-700013, West Bengal, India An Indian Company "A Tyre". March 1, 1977.

Class 3. No 145304. Sheth & Sheth Industries, Janmabhoomi Chambers, Walchand Hirachand Marg, Ballard Estate, Bombay-400001, Maharashtra, India, An Indian Proprietary Firm "Gas lighter" March 4, 1977.

Class 3. No 145356 Kalpana Industries, an Indian Partnership Firm, at 405, Byeulla Industrial Estate, Sussex Road, Near Victoria Gardens, Bombay-400027, Maharashtra, India. "Pen Stand". March 21, 1977.

Class 5. No 145170 Unisystems Private Limited, an Indian Company, 25, Community Centre, East of Kailash, New Delhi-110048, India. "Cardboard Boxes" February 1, 1977

**REGISTRATION OF ASSIGNMENTS, LICFNCS, ETC.
(DESIGNS)**

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration

141743 The Supreme Industries Limited

S. VEDARAMAN,
*Controller-General of Patents, Designs and
Trade Marks*

